



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Akira TSUKIHASHI

Serial No: 10/082,829

Confirmation No: 4622

Filed: February 20, 2002

For: Interface Circuit And Disk Drive Apparatus

Art Unit: 2116

Examiner: Paul B. Yanchus, III

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that this correspondence is
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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450, on

February 17, 2005

Date of Deposit

John P. Scherflacher, Reg. No. 23,009

Name

Signature: *John P. Scherflacher* 02/17/05
Date

Transmitted herewith is an amendment in the above-identified application.

☒ No additional fee is required.

The fee has been calculated as shown below:

	(Col. 1) CLAIMS REMAINING AFTER AMENDMENT		(Col. 2) HIGHEST NUMBER PREVIOUSLY PAID FOR		(Col. 3) PRESENT EXTRA*	LG/SM \$ ENTITY FEE		ADD'L FEE DUE
TOTAL CLAIMS FEE	19	-20	20	**	0	LG=\$50 SM=\$25	\$50	\$ 0
INDEPENDENT CLAIMS FEE	3	-3	3	***	0	LG=\$200 SM=\$100	\$200	\$ 0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIMS						LARGE ENTITY FEE = \$360 SMALL ENTITY FEE = \$180		\$
TOTAL								\$ 0

* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box on Col. 1 of a prior amendment or the number of claims originally filed.

☐ A check in the amount of \$___ to cover the additional claims fee is enclosed. **A copy of this sheet is enclosed.**☐ A check in the amount of \$___ to cover the extension fee is enclosed. **A copy of this sheet is enclosed.**☒ The Commissioner is hereby authorized to charge any deficiencies of fees associated with this communication or credit any overpayment to Deposit Account No. 50-1314. **A copy of this sheet is enclosed.**☒ Any filing fees under 37 C.F.R. 1.16 for the presentation of extra claims☒ Any patent application processing fees under 37 C.F.R. 1.17Respectfully submitted,
HOGAN & HARTSON L.L.P.

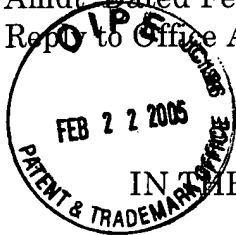
By: *John P. Scherflacher*
John P. Scherflacher
Registration No. 23,009
Attorney for Applicant(s)

Date: February 17, 2005

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Appl. No. 10/082,829
Amdt. Dated February 17, 2005
Reply to Office Action of December 15, 2004

Attorney Docket No. 81784.0252
Customer No.: 26021



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DISK DRIVE APPARATUS

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AMENDMENT

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John P. Schenlecker, Reg. No. 23,009

Name

John P. Schenlecker 02/17/05

Signature

Date

Dear Sir:

In response to the Office Action of December 15, 2004, please amend the
above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on
page 2 of this paper.

Remarks/Arguments begin on page 8 of this paper.